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//gcc fname -pthread
#include <stdio.h>
#include <stdlib.h>
#include <pthread.h>

int g = 0;

void *myThreadFun1(void *a)
{
    int *p= (int *)a;
    long sum=0,i;
    for(i=0;i<100;i++)
    {
        long k =p[i];
        if(k%2==0)
            sum+=k;
    }
    printf("SUM of even numbers%ld\n",sum);
}

void *myThreadFun2(void *a)
{
    int *p= (int *)a;
    int i;
    for(i=0;i<100;i++)
    {
        int flag=0,j;
        for(j=2;j<p[i];j++)
        {
            if(p[i]%j==0)
            {flag=1;
            break;}
        }
        if(flag==0)
        {
            printf("%d\n",p[i]);
        }
    }
}

int main()
{
    pthread_t tid;
    time_t t;
    srand((unsigned) time(&t));
    int id,a[100],i;
    for(i=0;i<100;i++)
    {
        a[i]=rand()%101;
    }

    pthread_create(&tid, NULL, myThreadFun1, (void*)a);
    pthread_create(&tid, NULL, myThreadFun2, (void*)a);

    pthread_exit(NULL);
    return 0;
}
```